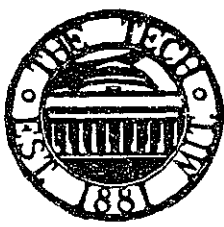


The Tech

OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY



VOL. LXXVI NO. 31

CAMBRIDGE, MASSACHUSETTS, TUESDAY, SEPTEMBER 25, 1956

5 CENTS

State "Red Conspiracy" Indictment Dropped

Committee Ends Struik Suspension

Dirk Jan Struik, a controversial figure on the Institute scene since 1949, is once again teaching at MIT. Suspended five years ago after being indicted by a Grand Jury on three charges of conspiracy and advocating violent overthrow of the United States government, Dr. Struik was reinstated as Professor of Mathematics late last May by the Executive Committee of the Institute.

Struik was denounced in April of 1949 by Herbert A. Philbrick—Boston advertising man and undercover FBI agent inside the Communist party. For the next two years the FBI and other security agencies looked into the past activities of this man; finally, in the week of May 9, 1951, the Middlesex County Grand Jury brought forth its indictment.

Early in September Dr. Struik was formally suspended by the Executive Committee without tenure. At the time of his speech at the Graduate House, President Killian had issued a statement which included this sentence: "Should a member of our staff be indicted for advocating the overthrow of the American government or other criminal acts . . . immediate action would be taken which would protect the Institute and at the same time preserve his rights." After this suspension, and pending trial which, in fact, never was held, Dr. Struik received much support

from both the Institute Community and outside sources. A student group, known as "Students for Struik" applied for Class B status as an activity; a Struik Defense Fund was started; the National Student Association called the indictment a "Violation of academic freedom", and numerous letters and petitions appeared in his defense.

The original indictment was dropped last Spring after a decision of the Supreme Court which denied the states jurisdiction over such matters. It was then that the termination of his suspension from MIT was authorized by a unanimous vote of the Executive Committee. At the same time a Faculty Committee on Academic Responsibility was appointed to undertake a thorough review of the case. So far, this committee has not issued any report, and it is impossible to predict the consequences resulting from such a report.



Professor D. J. Struik, recently reinstated mathematics mentor

Truman This Week, Brownell Next; Ticket Distribution In Building 10

This Friday afternoon former president and active Democrat Harry S. Truman will arrive as guest of the MIT Lecture Series Committee and the Harvard Law Forum. His first interview will be a Press Conference at 5:30 p.m. in the Sloan Building.

The feature engagement, a thirty-minute political speech at 8:00 p.m. in Kresge Auditorium, will lay down the challenge for Attorney General Brownell scheduled to speak here the following Friday. Whether the speech will be in support of the Democratic ticket as when Mr. Truman called Stevenson and Kefauver "two of the ablest candidates ever to go before the American people", or an accusation against the Republican administration as "legal racketeers" whose "promises will be broken just as the promises of 1952 were broken". Mr. Brownell will have much to answer. With Mr. Truman's graphic handling of the controversial issues of this campaign, the aim is to afford our students a clear insight into political problems of this election. Few opportunities as this could be opened to the student body to analyze the background of the '56 campaign.

Seating arrangements have been worked out which will offer tickets in building ten lobby from 8:30 a.m.

on Wednesday, September 26. First come first served with one ticket per person is the basis of distribution. No reserved tickets will be offered and registration cards are positively required. For the faculty tickets are available at the Dean's office of the respective schools. There will also be tickets on hand for the Little Theatre and the rehearsal halls, although definitely inferior. After 8:15 the doors will be opened to non-ticket holders if seats remain.

Unfortunately, the previously scheduled discussion period after the speech, where it was planned to have two professors from Harvard and MIT each had to be cancelled due to the pressing commitments of the former president.

DormCon Members Interviewed; Most Have Praise For Ryer Report

Reactions to the Ryer Report's panacea for dormitory problems are as mixed as are those to the New Deal solutions of the Nineteen Thirties. The analogy between the two, however, does not go much beyond this mere statement of a difference of opinion, for the majority of those on the Dormitory Council who were prepared to speak at this time are willing to admit that the committee's ideas were to be commended as far as basic theory and purpose are concerned. These opinions expressed the sentiments that the Ryer people had handled the problem about as well as possible considering the Institute's dearth of cash and acreage. Burton House representatives praised the attempts to alleviate the eating and social problems by establishment of a dining room and creation of additional lounge space, along with the elimination of overcrowding which would follow the erection of the new dormitory. On the negative side, was some doubt about the suggestion that the majority of rooms be made singles and that it was necessary to allot funds for the splitting of the house.

Dormitory Council sources in Baker House, essentially in agreement with Burton House representatives, felt that the "simple kitchen facilities," though an enterprising thought in theory, might prove impracticable. Ed Friedman, president of DormComm, stressed the fact that the Ryer Committee should be lauded for its practical and mature approach in dealing with open house hours. He did feel

Quadrangle Drops Hazing; Urges Class To Follow Suit

Last Sunday evening, one of Tech's oldest and most controversial traditions, hazing, officially disappeared from campus when Quadrangle Club, the sophomore honorary society, voted to no longer support or participate in the hazing of freshmen. Since last year, when Institute Committee passed the resolution to outlaw hazing, all have been wondering what Q-Club's reaction would be to the question, since for years this group has led the Sophomore Class in the rivalry.

Motion

The Quadrangle Club, in recognition of the fact that hazing has been outlawed by the Institute Committee, resolves that it will no longer participate in the hazing of freshmen, and strongly recommends that the Sophomore Class follow its example.

Statement of Policy

The Quadrangle Club henceforth will devote its entire energies to being a service organization, to increasing the spirit and unification of the Sophomore Class, and to supporting any other worthwhile activities or projects which may arise.

Realizing that more could be accomplished in unifying both the freshmen and sophomores through openly assisting both groups, instead of through secretly hazing, Q-Club has adopted a new policy of service for the class and school in general. This will go into effect immediately, when Q-Club, in conjunction with Beaver Key, will interview the freshmen in the hope that it can convince the new class to more actively support the activities offered at MIT, and to develop a real school spirit. It was for this purpose that hazing had existed in the past, but it is expected that this new system will accomplish the same end.

Plans for the future now include active support of Field Day activities, work on Tech Cabin, and the planning and supervision of the traditional Sophomore Mug-Lift. Q-Club, in an attempt to counteract an apparent lack of interest in Field Day athletics, are currently conducting a "recruiting" campaign, and all sophomores are urged to participate, particularly in football and crew. The organization is also trying to procure a date to work on Tech Cabin, in order to provide a place for all Tech students to enjoy a pleasant weekend. The Mug-Lift, now in the final planning stages, is scheduled for October 19, 8-12 p.m., in Rockwell Cage, and should provide a full evening of entertainment for the sophomores.

MIT Chapters Fight Discrimination, Rule Tells State Hearing

"MIT fraternities have consistently fought for the repeal of restrictive clauses," Dean John T. Rule declared in a statement Thursday before the Special Investigating Committee of the Massachusetts House of Representatives.

Dean Rule, along with IFC President Mike Brenner '57 and Incom Human Relations Director Steve Weisskoff '57, appeared to defend the Institute policy of "authentically free and independent" student government which allows the fraternities themselves to "carry on the campaign against discrimination."

Boston University, the University of Massachusetts, and Tufts were among the other schools which testified before the committee. It was the expulsion of the Tufts chapter of the Sigma Kappa Sorority from its national, after the chapter had pledged two Negro girls, which prompted the investigation. The committee's apparent intention was to determine whether there is sufficient cause for state legislation outlawing certain chapters in certain Massachusetts colleges.

Questioning hinged on the Administration's role in the problem. Although Dean Rule had emphasized the Administration's reliance on the student government, the committee could not understand why the Dean did not step in immediately and take decisive action.

At present, eight fraternities have some kind of restrictive clause in their charters, a drop of four since 1952.

Test Dates Set For Law, Grad Schools

Educational Testing Service has announced Test dates for both the Law School Admission Test and the Graduate Record Examinations which are required for admission to many leading Law and Graduate Schools.

The Law School Admission Test will be given in various centers in the United States on the mornings of November 10, 1956, and of February 16, May 4, and August 10, 1957. The Graduate Record Examinations will be given on November 17, 1956, and on January 19, April 27, and July 6, 1957.

Bulletins, including applications for the tests, may be obtained from college advisors, or by writing Educational Testing Service, 20 Nassau Street, Princeton, New Jersey. The completed applications must reach the ETS office fifteen days before the testing date.

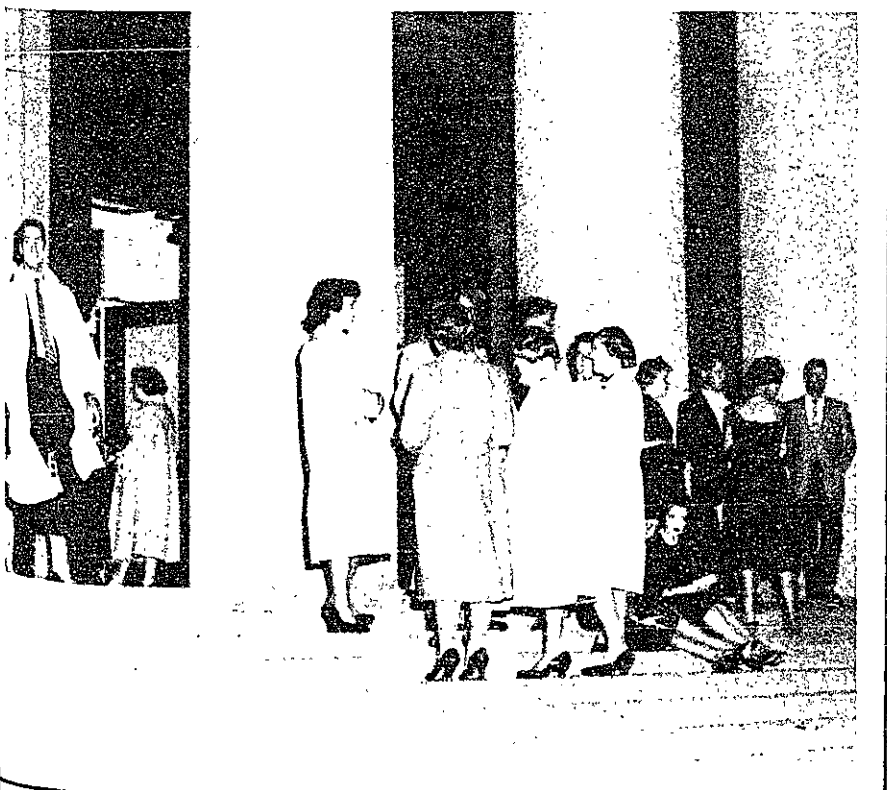
First Convocation In Rockwell Tomorrow, Talks By Rule, Killian

The first all-Institute convocation of the current year will be held in Rockwell Cage at 10:00 a.m. tomorrow (Wednesday, September 26).

President James R. Killian, Jr. will speak at the convocation as will Professor John T. Rule, whose appointment as Dean of Students was reported in *The Tech* last Tuesday. Other speakers will include John Crowley, president of the Graduate Student Council, and Malcolm M. Jones '57, president of Institute Committee.

It is expected that a number of announcements of special interest to the student body will be made at the convocation.

All classes will be suspended from 10:00 a.m. to 11:00 a.m. on the day of the convocation.



estimate: Six hundred people attended the Catholic Club Sponsored Acquaintance dance last Friday night. Amazingly enough the number of girls equalled the number of boys, as evidenced by the picture, and one had to fight to get to the dance floor.

The Tech



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The Tech is published every Tuesday and Friday during the college year, except during college vacations. Entered as second class matter at the post office at Boston, Massachusetts.

EDITORIALS

"... until proved guilty"

Dirk J. Struik, Professor of Mathematics, is again teaching at the Institute. Because "The Institute believes that Professor Struik, who denies that he has committed any crime, should be considered innocent of any criminal action unless he is proved guilty," and because it maintains that "an educational institution has no competence to carry on a trial to determine whether a law has been broken", the skills of a brilliant mathematician and a talented teacher have not been lost.

In April of 1949, Professor Struik—an outspoken Marxist—was accused of advocating the illegal overthrow of the governments of the United States and Massachusetts. He denied and has continued to deny the charges made against him by Herbert A. Philbrick, the Boston advertising man and volunteer FBI agent who won fame in the film *I Was a Communist for the FBI* and the television series *I Led Three Lives*. At no time was Professor Struik accused of airing his political views in the classroom. Shortly after the Philbrick accusation, President Killian stated the Institute position. In a forthright and intelligent statement, he placed the faith of the Institute in fairness and due process of law.

When, in September of 1951, Professor Struik was indicted by a Middlesex County Grand Jury, the Institute placed him under suspension and, "with advice of legal counsel", refrained from further formal action with respect to his status.

A hotheaded and starry-eyed NSA regional conference attacked the Struik suspension as one of a list of "violations of academic freedom." In their zeal they failed to recognize that the Institute had taken no action until the Grand Jury indictment and then, under legal advice, had acted to protect the Institute—which is their primary goal—while preserving the rights of Professor Struik, no Institute protest was made against a fund raising drive headed by seven professors and facilities were freely granted to a "Students for Struik" group.

Earlier this year, the indictment of the Massachusetts Grand Jury was dropped—based on the ruling of the Supreme Court giving only the Federal Government jurisdiction in such cases. The legal situation is now that of April 1951.

In terminating the suspension, the Institute has reaffirmed its original statement. A faculty committee on Academic Responsibility has been appointed to undertake a thorough review of the case.

Professor Struik is an avowed Marxist. He also claims a strong belief in the Constitution, holding that the two views are entirely compatible. Until Professor Struik is proved guilty—if he should be—and until he abuses the freedom of the classroom, he should be—in the interest of his students and the entire community—permitted to hold his position, to teach and to work at the Institute, and should he choose to present and debate his economics outside the mathematics classroom, we hold—with John Milton, John Stuart Mill—and the Constitution—that he should be permitted, even encouraged to do so on this campus.

The committee on Academic Responsibility can strike a great blow for academic freedom, for science and for the Institute by reaffirming the Killian statement of six years ago.

CALENDAR OF EVENTS

WEDNESDAY, SEPTEMBER 27

Convocation. "The All-Institute Convocation."

ROCKWELL CAGE, 10:00-11:00 a.m.
Operations Research. Operations Research Seminars, to be held weekly, will begin with a series of talks on linear programming by Professor Dean N. Arden of the Electrical Engineering Department. Later, Dr. Herbert P. Galliher will present a series on queuing theory. Interested faculty and students are invited.

ROOM 2-239, 3:00 p.m.
Catholic Club. Meeting. Talk by Miss Dorothy Day, labor writer, and editor of the "Catholic Worker." Admission free.

HAYDEN LIBRARY LOUNGE, 5:00 p.m.
Inter-Varsity Christian Fellowship. Meeting. Speaker: Waylon Moore, former member of Billy Graham's counseling team.

THURSDAY, SEPTEMBER 28

Physics Department. Colloquium: "A New Neutral Particle." Dr. Leon Lederman of Columbia University.

ROOM 6-120, 4:00 p.m.
Lecture Series Committee. Film: "On the Waterfront," starring Marlon Brando and Eva Marie Sainte. Admission: 30 cents.

KRESGE AUDITORIUM, 5:30, 7:30 and 9:45 p.m.

FRIDAY, SEPTEMBER 29

Mechanical Engineering Department. Seminar: "The Viscosity of Liquids, with Special Reference to Liquid Metals." Speaker: Dr. E. N. da C. Andrade, formerly of London University and now Director of Royal Institution. Coffee will be served in Room 3-174 from 3:00-3:30 p.m.

ROOM 3-270, 3:30 p.m.
MIT Lecture Series Committee. LSC-Harvard Law School Forum. Guest speakers: Former President Harry S. Truman, and a panel of four professors from Harvard and MIT. (Distribution of tickets to be announced.) **KRESGE AUDITORIUM, 8:00 p.m.**
Freshman Coordinating Committee. Freshman Acquaintance Dance.

MORSS HALL, WALKER MEMORIAL, 8:00 p.m.-12:00 Midnight

SATURDAY, SEPTEMBER 30

Inter-Varsity Christian Fellowship. Outing for Freshmen. Speaker: Don Moomau, All-American football player from U.C.L.A.

CARS LEAVING 77 MASS. AVENUE, 1:00 p.m.
MIT Rugby Club. Game with Newport Naval Station. **BRIGGS FIELD, 3:30 p.m.**

SUNDAY, SEPTEMBER 31

Hillel Society. Brunch and program. **BAKER HOUSE DINING HALL, 10:30 a.m.**

TUESDAY, OCTOBER 2

Food Technology Department. Food Industry Seminar: "Flavor Evaluation and Its Functions in the Food Industries." Loren B. Sjostrom, head of the Food and Flavor Laboratory at Arthur D. Little, Inc., Cambridge. **ROOM 16-310, 2:00-4:00 p.m.**

Computation Center. Seminar: "A Two-State Turing Machine." Professor Claude E. Shannon, Electrical Engineering Department. **ROOM 2-239, 3-4 p.m.**
Metallurgy Department. Colloquium: "Mechanical Behavior of Single Crystals." Professor E. N. da C. Andrade, F.R.S., Emeritus, University of London; and Director of Royal Institution.

ROOM 6-120, 4:00 p.m.

WEDNESDAY, OCTOBER 3

Operations Research. Seminar: "Linear Programming." Professor Dean N. Arden, Electrical Engineering Department.

ROOM 2-239, 3:00 p.m.
Electrical Engineering Department. Colloquium: "Mr. Fourier Has Done It Again!" Professor E. A. Guillemain, Electrical Engineering Department. Refreshments in Room 10-280 at 4:30 p.m.

ROOM 10-275, 3:15 p.m.

Tau Beta Pi. Meeting. **HAYDEN LIBRARY LOUNGE, 5:10 p.m.**

EXHIBITS

"The Architecture of Japan," an exhibition surveying important monuments of Japanese architecture from its earliest history to contemporary times, will be shown in the New Gallery of the Charles Hayden Memorial Library through October 7.

Three exhibits, entitled "Your Library System," "Early American Science," and "Rembrandt Van Rijn," will be on display in the North Corridor of the Charles Hayden Memorial Library through October 22.

RECITALS

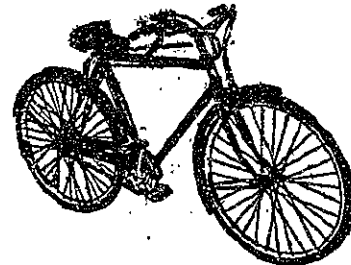
An organ recital by Flor Peeters, celebrated Belgian organist and composer, will be presented in Kresge Auditorium on Monday, October 8, at 8:30 p.m. Tickets are available by mail from Room 14-N236, at \$.75 for MIT staff and students, and \$1.20 for others. Sponsors are the MIT Humanities Department and the Boston Chapter of the American Guild of Organists.

On Wednesday, October 17, the MIT Baton Society will present Leopold Avakian, violinist, with David Garvey, accompanist, in a recital to be held in Kresge Auditorium at 8:30 p.m. Tickets at \$1.50 (reserved) and \$1.00 (unreserved) may be obtained by writing to: Violin Concert, Room 14-N236, MIT. Make checks payable to MIT Baton Society.

CALENDAR OF EVENTS

The Calendar of Events is distributed to the staff through the Institute's mails each Wednesday, with announcements for the following eight days. Material for the Calendar of October 3-10 is due in the editor's office, Room 3-339, not later than noon on Thursday, September 27.

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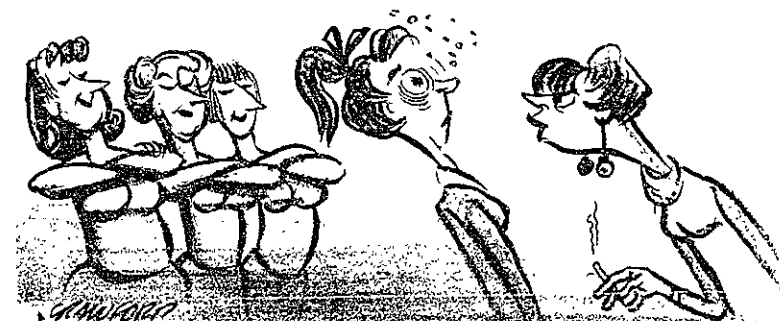
THE SEARCH FOR BRIDEY SIGAFOOS

It was a dullish evening at the Theta house. Mary Ellen Krumbald was sticking pins in an effigy of the house mother; Evelyn Zinsmaster was welding a manhole cover to her charm bracelet; Algellia McKeesport was writing a letter to Elvis Presley in blood. Like I say, it was a dullish evening.

Suddenly Dolores Vladnay stood up and stamped her foot. "Chaps," she said to her sorors, "this is too yawn-making! Let's do something gay and mad and wild and different and gasp-making. Anybody got an idea?"

"No," said the sorors, shaking their little sausage curls.

"Think, chaps, think!" said Dolores and passed Philip Morris Cigarettes to everybody, and if there ever was a think-making smoke, it is today's fresh and zestful and yummy Philip Morris. Things come clear when you puff a good, clean, natural Philip Morris — knots untie, dilemmas dissolve, problems evaporate, cobwebs vanish, fog disperses, and the benevolent sun pours radiance on a new and dewy world. Oh, happy world! Oh, Philip Morris! Oh, regular! Oh, long-size! Oh, get some already!



"One, two, three."

Now Geraldine Quidnunc, her drooping brain-cells revived by a good Philip Morris, leapt up and cried, "Oh, I have a perfect gasser of an idea! Let's hypnotize somebody!"

"Oh, capital!" cried the sorors. "Oh, tingle-making!" "Yes," said Dolores Vladnay, "it is a splendid idea, but hypnosis requires a pliant and malleable mind, and we are all so strong and well-adjusted."

At this point, in walked a young pledge named Alice Bluegown. "Excuse me, mistresses," said she, "I have finished making your beds, doing your homework, and ironing your pleats. Will there be anything else?"

"Yes," snapped Dolores Vladnay. "When I count to three, you will be hypnotized."

"Yes, excellency," said Alice, bobbing a curtsy.

"One, two, three," said Dolores.

Alice promptly went into a trance.

"Go back," said Dolores. "Go back to your fifth birthday, back to your birth, to before your birth, to your last incarnation. ... Now, who are you?"

"My name is Bridey Sigafos," said Alice. "The year is 1818, and I am in County Cork."

"Coo!" said the sorors.

"How old are you?" asked Dolores.

"I am seven," said Alice.

"Where is your mother?" asked Dolores.

"She got sold at the fair last year."

"Coo!" said the sorors.

"Tell us about yourself," said Dolores.

"I am five feet tall," said Alice. "I have brown eyes, and weigh 3200 pounds."

"Coo!" said the sorors.

"Isn't that rather heavy for a girl?" said Dolores.

"Who's a girl?" said Alice. "I'm a black and white guernsey."

"Coo!" said the sorors.

"Moo!" said Bridey Sigafos.

©Max Shulman, 1956

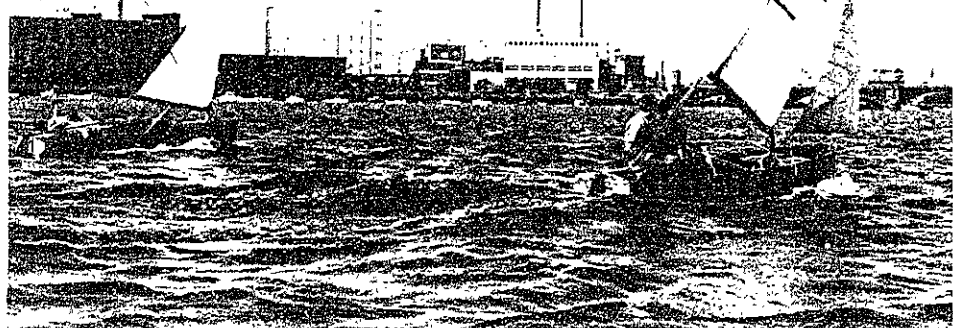
This column is presented by the makers of Philip Morris, who don't hold with hypnosis. We want you wide awake when you try Philip Morris's natural, golden, true tobacco!

Sailing At MIT Provides Diversion And Competition

Impressive Records Totaled By MIT N.A.

Over one quarter million man-hours of recreational and competitive sailing is the impressive record of the members of the MIT Nautical Association. But a mere figure of sailing cannot give the reader a hint of the service to school and country rendered by the N. A. over its twenty-year history.

When the sailing program was inaugurated at MIT in the spring of 1936 it was designed to increase recreational facilities for Techmen, and this has remained the main aim and function of the Association. But as would be suspected from any such successful undertaking, there have been additional subsidiary results of the program. First and probably most important of these side developments is that now stretch from coast to coast and constitute the Inter-Collegiate Yacht Racing Association.



Sailing on the Charles for relaxation

MIT's participation in the I.C.Y.R.A. has truly been amazing. A glance at the records will show that Technology's sailing teams have dominated the field up to the present time, capturing the National Dinghy Championship for 1937, '38, '39, '43, '45, '46, '51, '54, and 1955 and placed either second or third in almost all of the other years.

Smooth Sailing

MIT's participation in the I.C.Y.R.A. has truly been amazing. A glance at the records will show that Technology's sailing teams have dominated the field up to the present time, capturing the National Dinghy Championship for 1937, '38, '39, '43, '45, '46, '51, '54, and 1955 and placed either second or third in almost all of the other years.

9,000 Participants

The yearly membership in the MIT Nautical Association averages about 1000 of which 900 are students and the rest instructors or employees of the Institute. More than 8,000, however, have been members of the Nautical Association and comprise the alumni of the Institute's sailing program. This immense interest in sailing at Tech is due to a number of factors. First it should be remembered that sailing is a unique sport in that it offers such a rich reward for the beginner as well as skilled sailor (approximately 7,000 have learned to sail at MIT). The sailing program is also greatly aided by the proximity of its excellent facilities, thus it is possible for a student to enjoy a sail even during a single free hour, and there exists no simpler

an escape from the cares and worries that beset a Techman than a pleasant sail on the Charles River Basin. The Institute's required freshman sports program has made it exceptionally easy for beginners to quickly become proficient in the art of sailing. These classes of about 40 are just the opportunity for anyone interested in learning to sail and are very popular.

The Nautical Association of MIT invites you to become a member. For the sailing enthusiast it offers intermural and inter-collegiate racing while for the casual devotee it affords an opportunity for relaxation. With its fleet of 48 dinghies and four 110 class sloops there is equipment enough so that all may be served with a minimum of waiting for boats.

Throughout the sailing season which opens April 1st and continues through November 15th, there is a constant activity at the Sailing Pavilion (home port for the sailing Techmen and women, also) with classes for everyone. And there are inter-collegiate competitions with other colleges both here and at away nearly week of the Spring and Fall seasons.

MIT will be represented this year for the third time in the Olympic Yachting Games to be held at Melbourne Bay, Australia, November

MIT Represented In Olympics Olsen '41 And Marvin '49 To Sail

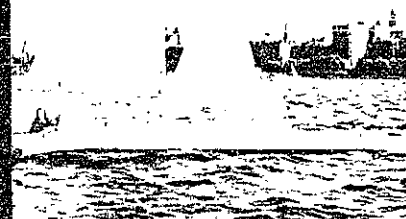
26th. Two Tech Nautical Association graduates, C. Eric Olsen '41, and John Marvin '49 who were college sailing champions on the Tech teams are now gaining international recognition, again for MIT.

C. Eric Olsen '41 won his berth as skipper of the two-man Sharpie class at trials conducted at Marion, Massachusetts in mid July. John Marvin '49 won his berth in the single handed dinghy class or finn class in trials held first at Marion in Fireflies and in July at Bay St. Louis, Canada, in finn class boats in mid August. There is only one finn class boat in the United States. It is a cat-rigged dinghy similar to the Tech dinghy but larger and built strictly for racing.

This will be the third successive Olympic Game in which the United States has been represented by an MIT sailing team graduate. Ralph L. Evans '48 placed second in this class in the 1948 Olympics, Edward A. Melaika '52 participated in the last competition and now John Marvin will take over in 1956.

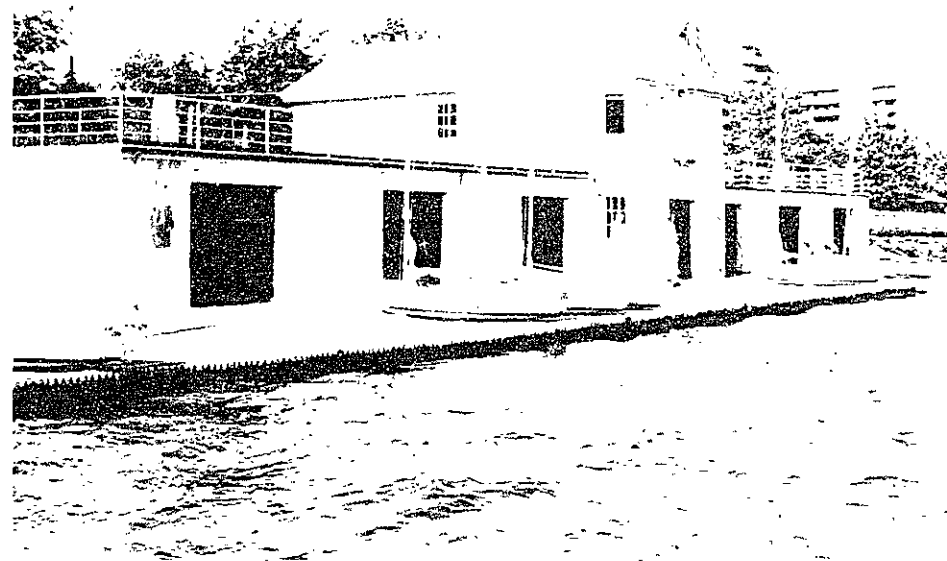
C. Eric Olsen '41, a plastic engineer was a member of the first great sailing team at MIT which consisted of Olsen, Herman Hanson, Runyon Colie, and Delevan Downer. This quartet dominated the new sport of sailing and won the first college dinghy championship in 1937, setting the pattern for the years to follow. Olsen has continued to make a name for himself in yachting through the years both here, and in Bermuda and Europe. As captain of the 505 class in England last year, with Alain de Berc '55, J. Nicholas Newman '56, and William Stiles '57 as teammates, he lost only the last race to the British team. He has in late years sailed successfully in the 14-foot international dinghy class which is the nearest boat to the sharpie class found in this country.

John Marvin '49 has spent three of the years since his graduation in officer's training and in Korean waters with the Navy. He presently sails firefly dinghies at Marblehead and is vice president of the Saltesea Clam Chowder Company.



A One-Ten Under Way

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The Sailing Pavilion

HAVE A REAL CIGARETTE... have a Camel!



Murray Golub
civil engineer on Conn. Turnpike, says:
"I want a real cigarette — one I can taste. That's why I'm a Camel smoker, and have been ever since college."

Discover the difference between "just smoking" and Camels!

You'll find Camels taste richer, fuller, more deeply satisfying. The exclusive Camel blend of quality tobaccos brings you smooth smoking. You're sure to enjoy Camels, the most popular cigarette today. They've really got it!

Tech Sailors Capture Seconds In Coast Guard, Jack Wood Races

Displaying their usual enthusiasm for outwitting both nature and man, MIT sailors entered three sailing events over the week-end. Competing in the Coast Guard Quad at New London they tied in points for first place with the Coast Guards, but the meet was awarded to the Guards as they had won more events.

November 25 Marks WTBS Tenth Year

It was at 8:00 p.m. November 25, 1946 that President Karl T. Compton opened the broadcasting history of Station WTBS, MIT's campus-wide radio system. Since its infant start in Walker Memorial, this all-student organization has grown in ten years to a technical capacity and quality of presentation that rivals many commercial broadcasting stations. Located in the basement of Ware dormitory in East Campus, WTBS maintains in constant use over \$15,000 worth of professional equipment, distributed throughout six newly redecorated control and broadcasting studios.

The system consists of coaxial cables carrying RF directly from East Campus into the wiring of adjacent dorms as well as an audio cable to an RF transmitter in Baker House. Broadcasts can originate from any spot in the vicinity of MIT and the station's entire programming is often operated by remote control. The station, with its present 100-man staff and 100-hour weekly program, has covered major MIT sports events directly from Briggs Field, broadcast concerts from Kresge, and presented many notable faculty personalities over the years. Harry S. Truman and Atty. Gen. Herbert Brownell plus the discussions preceding their addresses will be carried exclusively by WTBS.

Celebrating their Tenth Anniversary with a Dinner sometime in November, the owner-operators of WTBS can foresee such broadcasting events as play-by-play sports, a demonstration of the Kresge Organ, and, eventually, FM.

notices

FRESHMAN COUNCIL ELECTIONS

The Secretariat will distribute election petitions to those Freshmen interested in running for section leader during the Humanities classes on Sept. 24 and 25. The completed petitions will be due at Litchfield Lounge in Walker Memorial before 5 p.m. Thursday, Sept. 27.

CATHOLIC CLUB MEETING

Dorothy Day, former Communist and Socialist who converted to Catholicism will speak on "Communism and Labor" at the Catholic Club meeting this Wednesday, Sept. 26, in the Library Lounge at 5:00 p.m. Miss Day has written several books and holds some rather unorthodox positions concerning labor, which she will express.

IYCF MEETING

The next meeting of the Inter-Varsity Christian Fellowship of MIT will be at 7:00 p.m., Wednesday, Sept. 26, in room 10-280. Mr. Waylon Moore, who has counseled for the Billy Graham team and who has traveled extensively in Europe will be the guest speaker.

FRESHMAN ACQUAINTANCE DANCE

The annual Freshmen Acquaintance Dance sponsored by the Freshmen Coordinating Committee for the first year men will be in Morss Hall, Walker Memorial, this Friday, the 28th, from 8:00-12:00. The music will be supplied by Jerry Bernard.

FOREIGN STUDY APPLICANTS

Students who are Fulbright applicants, Rhodes scholarship applicants, Buenos Aires Convention scholarship applicants, Marshall scholarship applicants, and any other students interested in foreign study are invited to a discussion meeting at 5 p.m. on Thursday, Sept. 27, in the Library Lounge, 145-210.

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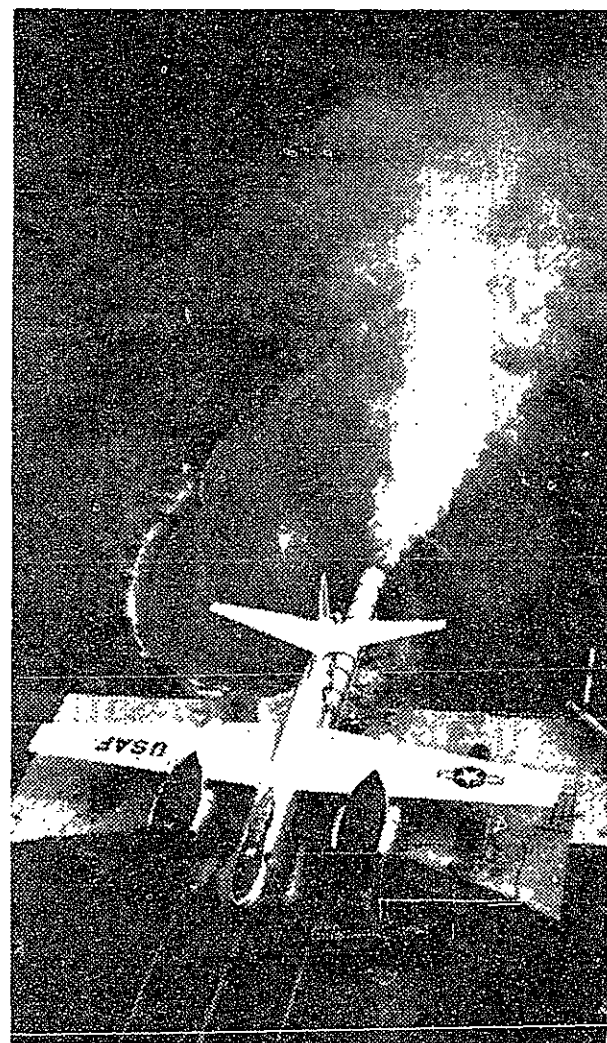


Test Lab "Upstairs"

Even in aviation's earliest years, it was axiomatic that "proof must come in the air". Out of this, the flying test bed was born . . . and slowly grew to its present-day stature as an indispensable engineering tool, implemented by an extensive variety of engineering skills.

The problems of observing and recording an engine's performance in the air are legion. Most recently, a Boeing B-50 and a North American B-45 were readied as test beds for Pratt & Whitney Aircraft's J-57 and J-75 turbojets. The experimental power plant, contained in a retractable pod in the bomb bay, can be flown to locations where atmospheric conditions permit most efficient testing. The prototype is then extended into the air stream for actual flight work with the regular engines idled, and the job of observing and recording in-flight performance begins.

From the first shakedown flight to the test engine's eventual acceptance, invaluable information is gathered. Perhaps the most vital contribution made by P & W A's flying test-bed program is the great reduction in time between initial development and quantity production of engines. Important, too, is the quality and diversity of engineering talent involved in such a program, for it spells out remarkable opportunity for today's engineering student.



After exhaustive testing in the highly advanced facilities of Willgoos Laboratory, the mighty P & W A J-75 is run in ground test prior to test-bed flight. The four-engine B-45 bomber (above) allowed test flight at high speeds and altitudes early in the J-75's development.



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